



V90

CROSS COUNTRY

QUICK GUIDE



VÄLKOMMEN!

This Quick Guide describes a selection of features and functions in your Volvo. Additional owner's information is available in your vehicle, in an app and on the Internet.



THE CENTER DISPLAY

The Owner's Manual is available in the center display in Top view.



MOBILE APP

The Owner's Manual is available as an app (Volvo Manual) for smartphones and tablets. The app also contains instructional videos for certain functions.



VOLVO'S SUPPORT SITE

Go to Volvo Cars' support site (support.volvocars.com) for manuals and instructional videos. Additional assistance and information about your vehicle and owning a Volvo is also available on the support site.



PRINTED INFORMATION

The glove compartment contains a printed supplement to the Owner's Manual containing information about fuses and specifications as well as a summary of other important and practical information. A complete printed version of the owner's information (or a new Owner's Manual supplement) can be ordered.

CONTENT

01. GETTING TO KNOW YOUR VOLVO

This chapter gives you information on some of Volvo's systems and services, and an overview of the inside and outside, and the center display.

02. INTERIOR AND CONNECTIONS

This chapter provides information about features and functions in the passenger compartment e.g. seat settings and Internet connection.

03. CENTER DISPLAY VIEWS

This chapter contains information about the center display's main views, which control many of the vehicle's functions.

04. SMART DRIVING

This chapter describes several driver support functions and offers tips on how to drive more economically.

05. VOICE CONTROL

This chapter provides a list of commands/phrases you can use with the voice control system.

06. SUPPLEMENTARY INFORMATION

Warning, caution and note texts, which must be read.



GETTING STARTED

The following functions, concepts and tips are intended to help familiarize you with your Volvo as quickly as possible.

Volvo ID

Volvo ID is a personal ID that gives you access to a number of services with a single username and password. Some examples are Volvo On Call, navigation* and the opportunity to schedule service and repairs. You can create a Volvo ID via the Volvo On Call app or directly in your vehicle.

Sensus

Sensus is your vehicle's intelligent interface and includes all of its solutions relating to entertainment, connecting to the Internet, navigation* and information services. Sensus enables communication between you, the vehicle and the digital world around you.

Volvo On Call

Volvo On Call gives you direct contact with your vehicle¹ and enhanced comfort and assistance 24 hours a day. With the Volvo On Call app, you can see if e.g. any bulbs need replacing and if washer fluid needs to be filled. You can lock and unlock the vehicle, check the fuel level and find your nearest service station. Preconditioning can also be set and started via the vehicle's parking climate or the remote start of vehicle function². Download the Volvo On Call app to get started.

Volvo On Call also gives you access to roadside assistance, other security services and emergency assistance using the **ON CALL** and **SOS** buttons in the ceiling console.

Driver profiles


Many of the vehicle's settings can be adapted to the driver's personal preferences and saved in one or more driver profiles. Each of the remote keys can be linked to a driver profile. See the section "Top view" in this Quick Guide for more information on driver profiles.

¹ Both the vehicle and the mobile device must have cellular coverage or another Internet connection.


² Available for certain markets and models.




EXTERIOR OVERVIEW

- 1 **Check and save the new inflation pressure (TPMS)*** via TPMS in the **Car Status** app in the center display's App view. If inflation pressure is too low, the  symbol will be steadily illuminated in the instrument panel. If inflation pressure is low, check and adjust the inflation pressure in all four tires and tap **Store Pressure** to store the new tire pressure.
- 2 The **Car Status** app is used to **check engine oil level**. You can also view any status-related messages and schedule service and repairs*.
- 3 **The door mirrors** can be automatically* tilted down when reverse gear is engaged. When the vehicle is locked/unlocked using the remote key, the door mirrors will automatically fold in/out. Activate these functions under **Settings → My Car → Mirrors and Convenience** in the center display's Top view.
- 4 **Keyless locking/unlocking*** makes it possible to lock or unlock the vehicle simply by having a remote key in your possession, e.g. in a pocket. The remote key must be within range of the vehicle.

To unlock the vehicle using any of the door handles, grasp a door handle or lightly press the rubberized button on the underside of the tailgate handle. To lock the vehicle, press any of the indentations on the outside of a door handle. Do not touch both of the door handle's touch-sensitive surfaces at the same time.
- 5 **The panoramic roof*** has an opening glass section with a sun shade and can be operated using a control above the rearview mirror when the vehicle is in at least ignition mode I. Open to ventilation position by pressing the control upward and close by pulling the control downward. To fully open the panoramic roof, pull the control rearward twice. Close by pulling the control downward twice.
- 6 **The power operated tailgate*** can be opened using the foot-operated tailgate function* by means of a slow forward kicking





motion under the left-hand part of the rear bumper. Close and lock the tailgate by pressing the  button on the lower edge of the tailgate. You can also close the tailgate by moving your foot slowly under the rear bumper. For it to be possible to unlock the tailgate using a kicking motion, the vehicle must be equipped with keyless locking/unlocking*. The remote key must be within range behind the vehicle when opening and closing using a kicking motion.

To prevent the tailgate from e.g. hitting the roof of a garage, a maximum opening height can be set. Set a maximum opening height by opening the tailgate to the desired opening position. Then press * for at least 3 seconds to store the position.



LOCKING/UNLOCKING

Remote key

-  Press briefly to lock doors, tailgate and fuel filler door and arm the alarm.
A long press closes all side windows simultaneously.
-  Press briefly to unlock doors, tailgate and fuel filler door and disarm the alarm.
Press and hold to open all door windows at the same time.
-  Press briefly to unlock and disarm only the tailgate.
Press and hold to open or close the power* tailgate.
-  The panic alarm activates the turn signals and horn to attract attention in emergency situations. To activate, press and hold the button for at least three seconds or press the button twice within three seconds. The function can be switched off using the same button after it has been activated for at least five seconds. Otherwise, it will switch off automatically after three minutes.

Private (valet) locking

Private locking locks the tailgate, which can be practical when, for example, the vehicle is taken in for service or at a hotel.



- In the center display's Function view, tap **Private Locking** to activate/deactivate the function.
A pop-up window will appear showing whether the function is activated or deactivated. A four-digit code must be selected each time the function is activated. The first time the function is used, an extra security code must be selected.

Locking* the glove compartment is performed manually using the enclosed key which is located inside the glove compartment.



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INTERIOR OVERVIEW

- 1 Center display** is used to control many of the vehicle's main functions, e.g. media, navigation*, climate control, driver support systems and in-vehicle apps.
- 2 The instrument panel** displays information about driving, e.g. speed, rpm, navigation* and active driver support. Select what should be displayed in the instrument panel via the App menu, which is opened using the right-side steering wheel keypad. Settings can also be made via **Settings** in the center display's top view.
- 3 The head-up display*** supplements the vehicle's instrument panel and projects information on the windshield. It can be activated in the center display's Function view.
- 4 Start knob** is used to start the vehicle. To access the displays without starting the engine, turn clockwise and release. While holding the brake pedal depressed, turn the start knob clockwise and release to start the engine. Switch off the vehicle by turning the start knob clockwise.
- 5 Drive modes*** are selected using the control in the tunnel console. The vehicle always starts in Comfort mode. Press in the control and roll it to select between **Comfort, Eco, Off Road, Dynamic/Polestar Engineered*** and **Individual** in the center display. Confirm by pressing the control. **Individual** drive mode enables you to customize a drive mode's characteristics to your preferences. To activate individual drive mode, tap **Settings** in the center display's Top view.
- 6 The parking brake** is activated by pulling up the (P) control. A symbol will appear in the instrument panel. Release it manually by pressing the control down while depressing the brake pedal. With auto-hold brakes at a standstill ((P)), the brake pedal can be released when the vehicle has stopped and the brakes will remain applied.
Deactivate Automatic Parking Brake Application in the center display's Top view by tapping **Settings**.
- 7 The wireless phone charger*** can be used if your cellular phone supports wireless charging. Remove any objects from the rubber panel under the center display and position the phone in the center. Turn the charging pad on and off via the center display's Function view. When the phone is being charged, ((P)) is shown at the top of the center display. If the phone is positioned incorrectly, or if objects prevent charging, a message is shown in the center display.
- 8 Passenger airbag:** A sensor system determines what is occupying the front passenger seat and activates/deactivates the front passenger side's airbag. See the Owner's Manual for important safety-related information regarding this.

The image shows a central infotainment screen integrated into a car's dashboard. The screen displays a dark-themed user interface with several functional tiles. At the top, there are status icons for signal strength, Bluetooth, and battery, along with the time 13:45. The main content area consists of four large, vertically stacked tiles: a navigation tile with a compass icon and the text 'Ånäsvägen' and 'Current position'; a music tile with a Bluetooth icon and the text 'Lune - Leave The World...'; a phone tile with a telephone handset icon and the text 'Daniel's Phone' and 'Telenor'; and a sound tile with a speaker icon and the text 'Studio' and 'Sound optimised for driver'. At the bottom of the screen, there are climate control icons: two temperature displays showing '22 °C' with seat icons, and a central 'AUTO' icon with a fan symbol. The screen is flanked by two vertical air vents with silver-colored trim and a central silver button below the screen.

CENTER DISPLAY

The center display is used to adjust settings and control most of the vehicle's functions. The center display has three main views: home view, function view and app view. You can reach the function view and app view from the home view by swiping right or left. There is also a top view that you can access by swiping down from the top section of the display.

Change the appearance of the center display and the instrument panel by choosing a theme in **Settings → My Car → Displays** in top view. You can also select a dark or light background for the center display.

Return to the home view from another view by means of a short press on the physical home button under the display. The last mode used for the home view will then be shown. A further short press on the home button sets all of the home view's tiles in standard mode.

To clean the center display, press and hold the home button under the display to lock the touchscreen function. Press the home button briefly to reactivate the display.

The status bar at the top of the display shows the status of current vehicle activities and functions. Shown on the left is network and connection information, with media-related information; the time and background activity indicator shown on the right.

In the climate row at the bottom you can set temperature and seat comfort by tapping on the respective icon. Open the climate view by tapping on the center button in the climate row.



2. Switch between the various functions in the center display by turning the control upward/downward.
3. Adjust the setting of the selected function by pressing the upper/lower/front/rear sections of the control.

Storing positions

1. Adjust the seat, door mirrors and head-up display* to the desired positions and press the **M** button on the door panel. The indicator light in the button will illuminate.
2. Press and hold down memory button **1** or **2** within three seconds. An audible signal will sound and the indicator light in the **M** button will go out.

To use your stored position:

With door open - press one of the memory buttons and release.

With door closed - press and hold one of the memory buttons until the seat reaches the stored position.

POWER* FRONT SEATS

Use the controls on the outside of the seat to adjust e.g. seat position and lumbar support*. The two controls that together form the shape of a seat are used to adjust the seat position. The third, the multi-function control*, is used to adjust the comfort functions, e.g. massage*.

The seat-shaped controls

Use the lower section of the control to adjust the height of the seat cushion or move the entire seat. Use the rear section of the control to adjust backrest tilt.

The multifunction control³

Settings for massage*, side bolsters*, lumbar support* and seat cushion extension* are adjusted using the multifunction control.

1. Turn the multifunction control upward/downward to open the seat settings window in the center display.

³ On vehicles with four-way support*

FOLDING THE BACKRESTS IN THE REAR SEAT

Make sure that the backrest and head restraint do not come into contact with the back of the seat in front when folding down. The front seats may need to be adjusted in order to fold down the backrests.

Folding down the backrests

The vehicle must be stationary and the tailgate must be open before a backrest can be folded down. Make sure there are no people or objects in the rear seat.

1. Fold down the center seat's head restraint manually.
2. Pull the handle in the vehicle's left or right rear seat backrest forward to fold down the left or right section of the rear seat.
3. The backrest lock will release and the backrest will automatically fold down to the horizontal position.

Folding up backrests

1. Move the backrest upward/rearward until it locks into position.
2. Return the head restraint to the upright position manually.
3. If needed, adjust the center seat's head restraint.





STEERING WHEEL

Adjusting the steering wheel

You can adjust the position of the steering wheel for both height and depth.

1. Push the lever under the steering wheel forward and adjust the steering wheel to the desired position.
2. Pull the lever back to the locked position.

Left-side steering wheel keypad

Driver support functions are selected in the instrument panel using the ◀ and ▶ arrow buttons on the left-side steering wheel keypad. When the driver support symbol is white, the function is active. A gray symbol indicates that the function is disabled or in standby mode.

Symbols in the instrument panel:

- 🚗 **Cruise Control** helps the driver maintain a set speed.
- 🚗 **Adaptive Cruise Control*** helps the driver maintain a constant speed and a set time interval to the vehicle ahead.
- 🚗 **Pilot Assist** helps keep the vehicle between the traffic lane markings by providing steering assistance, and helps maintain a constant speed and a set time interval to the vehicle ahead.

Tap 🚗 to start or cancel the selected function.


Tap ⏪/⏩ to increase/decrease the set speed by 5 km/h (5 mph). Press and hold the button to change the speed in increments. Release the button when the desired speed is reached.

⏮/⏭ decreases/increases the distance to the vehicle ahead when using Adaptive Cruise Control and Pilot Assist.


Pressing **⏪** also resumes the stored speed for the selected function.


Right-side steering wheel keypad



The right-side steering wheel keypad controls the instrument panel.


 Open/close the app menu. From here, you can control the trip computer, media player, a connected cell phone and the navigation system*.

 Press the left/right arrows to scroll among the apps.

 Select/deselect or confirm a choice, e.g. select the trip computer's menu or erase a message from the instrument panel.

 Scroll among a selected app's functions by pressing the up/down arrows.

Raise/lower the media volume by pressing  or . If no other function is active these buttons serve as volume control.

Voice control is activated by pressing the  button to give voice commands for e.g. media, navigation and climate systems. Say e.g. "Radio", "Raise temperature" or "Cancel".

See the chapter "Voice control" in this Quick Guide for additional voice commands.


Trip computer

The trip computer shows e.g. mileage, fuel consumption and average speed. You can choose the type of trip computer information that will be displayed in the instrument panel. The trip computer calculates the distance that can be driven on the amount of fuel remaining. Use the buttons on the right-side steering wheel keypad to display the various options. When "----" is displayed in the instrument panel, the fuel level is too low to calculate the distance remaining. Refuel as soon as possible.




LEFT-SIDE STEERING WHEEL LEVER

Headlight functions are controlled using the left-side steering wheel lever.

In **AUTO** mode, the vehicle will automatically monitor lighting conditions and adjust headlight illumination accordingly, e.g. switch from daytime running lights to low beam when the sun goes down or when you drive into a tunnel. To switch on the Active High Beam function, which automatically dims the headlights for approaching vehicles, turn the lighting ring on the lever to . Move the lever toward the dashboard to activate manual high beams and toward the steering wheel to deactivate.

Active Bending Lights* are designed to follow the movement of the steering wheel to help provide maximum illumination in turns and intersections. The function is automatically activated when the

engine is started and can be deactivated in the center display's Function view, .

Approach lighting is activated when you unlock the vehicle using the key and activates the exterior lighting and courtesy lighting to help you approach the vehicle safely in the dark.

Home Safe Lighting illuminates some of the exterior lights after the vehicle is locked to provide illumination around the vehicle in dark conditions. To activate the function, switch off the ignition and move the left-side steering wheel lever toward the dashboard and release. The length of time home safe lighting remains illuminated can be set in the center display.


Resetting the trip odometers


Reset all information in the manual trip odometer (TM) by pressing and holding the **RESET** button. Press the button briefly to reset only the mileage. The automatic trip odometer (TA) resets automatically when the vehicle is switched off for more than 4 hours.


RIGHT-SIDE STEERING WHEEL LEVER


The right-side steering wheel lever controls the wipers and the rain sensor.

- Move the lever downward for a single sweep of the windshield.
- Move the lever upward in steps for intermittent, normal speed and high speed.
- Use the lever's thumb wheel to adjust intermittent wiping speed.
- Move the lever toward the steering wheel to start the windshield and headlight washers and toward the dashboard to start the rear window washers.

 Press the rain sensor button to activate/deactivate the rain sensor. The windshield wiper lever should be in position **O**, or in the single swipe position. The rain sensor monitors the amount of water on the windshield and starts the windshield wipers automatically when needed. Turn the thumb wheel upward/downward for higher/lower sensitivity.

 Press for rear window intermittent wiping.

 Press for continuous rear window wiper speed.

 Use the windshield wipers service position when you e.g. replace, wash or lift the wiper blade. Tap **Wiper Service Position** in the center display's function view to activate or deactivate service position.





PASSENGER COMPARTMENT CLIMATE

Climate system functions for the front and rear sections of the passenger compartment are controlled from the center display and from the buttons on the center console and the rear side of the tunnel console*. Some functions can also be controlled using voice commands.



The icon for opening Climate view is located at the center of the climate bar at the bottom of the center display. When the **Clean Zone** text is BLUE, this indicates that the conditions for good air quality in the passenger compartment have been met.

- Tap **AUTO** in climate view for automatic control of several climate system functions. Tap for automatic control of air recirculation, air conditioning and air distribution.

Press and hold for automatic control of air recirculation, air conditioning and air distribution and to change temperature and blower speed to standard settings: 22 °C (72 °F) and speed **3** (speed **2** in the rear seat⁴). It is possible to change the temperature and blower speed without deactivating automatic climate control.

- Tap any of the icons in the climate bar at the bottom of the center display to set temperature, seat heating* and blower speed.

To synchronize the temperature for all of the vehicle's zones with the driver side's temperature, tap the driver side's temperature icon and then tap **Synchronize temperature**.

Preconditioning*

Preconditioning can be set in the vehicle's center display and with the Volvo On Call app.

Preconditioning ventilates the passenger compartment before driving. Preconditioning can be started directly from the vehicle or set to start automatically using a timer.

Preconditioning direct start

1. Open Climate view in the center display.
2. Tap the **Parking climate** tab and then tap **Preconditioning**.

Setting a preconditioning timer

1. Open Climate view in the center display.
2. Select the **Parking climate** → **Add timer** tab and set a date/day/time.

Interior Air Quality System IAQS*

IAQS is part of the Clean Zone Interior Package* and is a fully automatic system that filters passenger compartment air to help remove air contaminants such as particulates, hydrocarbons, nitric oxides and ground-level ozone. Tap **Settings** → **Climate** → **Air Quality Sensor** in the center display's top view to activate the function.

⁴ For vehicles with 4-zone climate system*.



CONNECTIONS

The vehicle's various types of connections can be used to play or voice-control media, send or receive text messages, make or receive phone calls, connect to the Internet, etc. from an external device such as a smartphone. In order to connect your devices to the vehicle, the ignition must be in at least mode I.

Vehicle's modem⁵

The easiest and most efficient way to connect the vehicle to the Internet is to use its own modem. This provides the highest performance, is activated automatically each time the engine is started and does not require the use of a smartphone.

- 1. Insert a personal SIM card in the holder under the cargo compartment floor.

- 2. Tap **Settings** → **Communication** → **Vehicle Modem Internet** in top view.

- 3. Activate by checking the box for **Vehicle modem Internet**.

Sharing Internet connection (tethering)

When the vehicle is connected to the Internet via the vehicle's modem, you can share the vehicle's Internet connection (Wi-Fi hotspot) with other devices. Tap **Settings** in Top view and **Communication** → **Vehicle Wi-Fi Hotspot**.

Bluetooth

Use Bluetooth as first choice for handling phone calls, text messages and media from your phone to the vehicle's systems. Bluetooth can also be used to connect the vehicle to the Internet. Two Bluetooth devices can be connected at the same time but only

one of them can be used to stream media. The two most recently connected phones will connect automatically when the ignition is switched on (if the phone's Bluetooth function is activated). Up to 20 devices are saved in a list to facilitate connection at a later time.

1. Activate Bluetooth in the phone. Also activate tethering/personal hotspot if you would like to connect to the Internet.
2. Open the phone tile in the center display.
3. Tap **Add phone** or, if a phone is already connected, tap **Change** and then **Add phone**.
4. Select the phone to be connected and then follow the steps on the center display and in the phone. Note that in certain phones, the message function is activated.

Wi-Fi

Wi-Fi connections can be used to connect the vehicle to the Internet at greater speeds than are possible using Bluetooth to stream online services such as web radio and music via apps in the vehicle, download/upload software, etc. A Wi-Fi connection from a smartphone acts as a hotspot for the vehicle and any external devices that may be in the vehicle.

1. Activate tethering in the phone.
2. Tap **Settings** in the center display's top view.
3. Tap **Communication** → **Wi-Fi** and activate by checking the box for Wi-Fi connection.

Please note that in certain phones, tethering is closed after contact with the vehicle has been broken. The phone's tethering function will then need to be reactivated before it can be used again.

USB

A USB port can be used to connect an external device to e.g. play music. You can also use the USB port for Apple CarPlay^{*6} and Android Auto^{*6}. Plug the device into one of the USB ports with a white frame. The external device will also be recharged while it is connected to the vehicle.

- 1 USB ports (type A) are provided in the armrest storage compartment between the seats.
- 3 USB ports (type C) are located at the rear of the tunnel console. Only for charging.

Electrical sockets

Your vehicle contains the following electrical sockets:

- 2 12-volt electrical socket. There is also a 12-volt electrical socket* in the cargo compartment/trunk.

5 Only vehicles with P-SIM. Vehicles equipped with Volvo On Call will use the vehicle modem Internet connection for the services.

6 Availability may vary from market to market.




USING CONNECTED DEVICES

External devices can be connected to e.g. handle phone calls and play media in the vehicle's audio and media systems.






Handling phone calls


You can make and receive calls from a Bluetooth-connected phone.

Making calls using the center display

1. Open the **Phone** tile in home view. Select to make a call using the list of recent calls or your list of contacts, or enter a number using the keypad.
2. Tap .

Making a call using the right-side steering wheel keypad

1. Tap  and navigate to **Phone** by tapping  or .
2. Scroll through the list of calls using  and select using .

You can also handle calls using voice commands. Tap the voice control button () in the right-side steering wheel keypad. For voice commands, see the "Voice control" chapter in this Quick Guide.

Playing media

In order to listen to audio content from an external device, connect it to the vehicle using the connection of your choice; see the previous section for connection options.



Bluetooth-connected device

1. Start playback in the connected device.
2. Open the **Bluetooth** app in App view in the center display. Playback will begin.



USB-connected device

1. Start the **USB** app in app view.
2. Select a song, track, etc. Playback will begin.



MP3 player or iPod

1. Start playback in the device.
2. Open the **iPod** or **USB** app, depending on connection method. For playback from iPod, select the **iPod** app regardless of connection method. Playback will begin.



Apple® CarPlay®*7 and Android Auto*


CarPlay⁸ and Android Auto⁸ make it possible to use certain apps in your iOS or Android device via the vehicle to, for example, play music or listen to podcasts. This interaction takes place via the vehicle's center display or your device.

To use CarPlay, Siri must be activated on the iOS device. The device must also be connected to the Internet via Wi-Fi or a mobile network. To use Android Auto, the **Android Auto** must be installed on the Android device. The device must also be plugged into the vehicle's USB port.



1. Plug the device into the USB port with a white frame.
2. For Android Auto, tap **Android Auto** in App view to activate.
3. Read the terms and conditions and then tap **Accept** to connect.
4. Tap the app you want to use.







Activate voice control with CarPlay and Android Auto by pressing and holding the  button in the right-side steering wheel keypad. Pressing this button briefly will instead activate the vehicle's own voice control system.




Bluetooth is deactivated when CarPlay is used. Use Wi-Fi or the vehicle's modem if you would like to connect the vehicle to the Internet.

⁷ Apple and CarPlay are registered trademarks of Apple Inc.

⁸ Availability may vary from market to market.

13:45


-  **Ånäsvägen**
Current position
-  **Lune - Leave The World...**
-  **Daniel's Phone**
Telenor
-  **Studio**
Sound optimised for driver


22°C    22°C


HOME VIEW



When the center display starts it shows the Home view. From here, you can access the tiles for Navigation, Media and Phone, as well as the last used app or vehicle function.

1 **Navigation** – Tap to access Sensus Navigation*.

Entering a destination with a free text search – Expand the toolbar using the down arrow on the left side and tap . The map display will change to a screen where you can search by entering text. Enter a search word/phrase.

Entering a destination on the map – Tap  to maximize the map. Press and hold the location you want to go to and select **Go here**.

Deleting a destination – Tap  to open the itinerary. Tap the recycling bin to delete an intermediate destination (waypoint) in the itinerary or tap **Clear itinerary** to delete the entire itinerary.

Map updates⁹ – Tap **Download Center** in app view. **Maps** shows the number of available map updates. Tap **Maps**  **Install**  **Confirm** to update maps or install a selected map. Maps can also be downloaded from support.volvocars.com to a USB flash drive and then transferred to the vehicle.

2 **Media** – This shows e.g. your music on an external device or **FM radio** if you have selected that in app view. Tap the tile to access settings. From here, you can see your music libraries, radio stations, etc.

3 **Phone** – This provides access to phone functions. Tap the tile to expand it. From here, you can make calls using your list of recent calls or your contact list, or by entering a number using the keypad. When you have selected a number, tap .

4 **Last used app or vehicle function** – Here you can see the last used app or vehicle function that is not shown in any of the

other tiles, e.g. **Car status** or **Driver performance**. You can also access a recently used function by tapping its tile.

⁹ The function's availability may vary from market to market.



... 13:45

Car functions

ESC Sport Mode	Lane Keeping Aid	Park Assist
Cross Traffic Alert	Distance Alert	
Camera	Park In	Park Out
Headrest fold	Head-up display adjustments	Road Sign Information
Head-up display	BLIS	Active Bending Lights
22°C		22°C

FUNCTION VIEW AND APP VIEW

Function view

In home view, swipe the screen from left to right¹⁰ to access function view. From here, you can activate/deactivate various vehicle functions, such as **Lane Keeping Aid** and **Park Assist***. Activate/deactivate a function by tapping its symbol. Some functions open in their own windows.

App view

In home view, swipe from right to left¹⁰ to access app view. This displays the vehicle's factory-installed apps as well as any apps you have downloaded and installed.

Managing and updating apps and systems



You can update many of the vehicle's systems in **Download Center** in app view. The vehicle must be connected to the Internet in order for this to be possible. In **Download Center**, you can:

Download apps - Tap **New apps** and select the desired app. Select **Install** to download the app.

Update apps - Tap **Install all** to update all apps. Or tap **Application updates** to display a list of available updates. Select the desired app and tap **Install**.

Uninstall apps - Tap **Application updates** and select the desired app. Tap **Uninstall** to delete the app.

Update system software - Tap **System updates** to display a list of updates that can be installed in the vehicle. Tap **Install all** at the bottom of the list to update all software or **Install** to update specific software. If you do not want a list, select **Install all** near the **System updates** button.

Moving icons

The apps and buttons for vehicle functions in app view and function view can be moved to customize these views.

1. Press and hold an app or button.
2. Drag the app or button to the desired location in the view and release it.

¹⁰ Applies for left-hand drive vehicles. For right-hand drive vehicles, swipe the opposite way.



Settings



Owner's manual



Profile



Car message stored in Car status application



Passenger

Restart



TuneIn is installing



New position received



22 °C



22 °C

TOP VIEW

There is a tab in the upper part of the display that you can pull down to access top view. This view provides access to **Settings**, **Owner's manual**, **Profile** and the vehicle's stored messages.

Personal settings

Many personal settings can be changed under **Settings**, e.g. displays, mirrors, front seat, navigation*, audio and media systems, language and voice control.

Driver profiles



If the vehicle is used by more than one driver, each driver can have a personal driver profile. Each time you enter the vehicle, you can select your driver profile where your personal settings are stored. The number of profiles displayed depends on how many keys are detected in the vehicle. The **Guest** profile is not connected to any specific key.

The most recently active driver profile will be activated when the vehicle is unlocked. To change the driver profile, select **Profile** in top view.

Driver profiles can be linked to specific vehicle keys and when the vehicle is unlocked, settings will be automatically adapted to your personal settings. To link a key, tap **Settings** → **System** → **Driver Profiles**. Select one of the driver profiles (the **Guest** profile cannot be linked). Home view will reappear. Pull top view down again, repeat the above procedure and select **Edit** for the selected profile and then **Connect key**.

Individual drive mode

To adapt the **Comfort**, **Eco** or **Dynamic** drive modes to your personal preferences, activate the drive mode by tapping **Settings** → **My Car** → **Individual Drive Mode**.

System volumes

To adjust or switch off the volume of system sounds, e.g. screen tap sounds, go to **Settings** → **Sound** → **System Volumes**.



DRIVER SUPPORT

Your vehicle is equipped with a number of functions to help you drive safely. These functions can be activated in the center display's Function view. Keep in mind that these driver support functions are only aids. The driver always has full responsibility for operating the vehicle in a safe manner.

City Safety™

City Safety¹¹ can help assist the driver in order to help prevent or mitigate a collision with other vehicles, large animals, pedestrians or cyclists. Visual, acoustic and haptic signals are given to alert the driver of a collision and assist you to act in time to avoid it. If you do not react in time and a collision is almost unavoidable, the vehicle can be braked automatically. City Safety steering assistance can also strengthen your grip on the steering wheel if you have begun an evasive maneuver. City Safety is activated when the engine is switched on and cannot be switched off.

Blind Spot Information (BLIS)*



BLIS can notify the driver of vehicles in your blind spot and of rapidly approaching vehicles in adjacent lanes.

Cross Traffic Alert (CTA)*



Cross Traffic Alert with **auto-brake** is a supplementary driver support system for BLIS that can alert the driver of crossing traffic behind the vehicle. If the driver does not react to the Cross Traffic Alert warning and a collision is imminent, the function can help bring the vehicle to a stop. The function is activated if reverse gear is engaged or if the vehicle is rolling backwards.

Lane Keeping Aid



Lane Keeping Aid can help the driver reduce the risk of the vehicle unintentionally veering out of the lane. To select the

type of assistance that should be provided, select **Settings** in the center display's top view.

Steering assistance during collision risks



The **Collision avoidance** function can help the driver reduce the risk of the vehicle unintentionally veering out of the lane and/or colliding with another vehicle/obstacle by actively steering the vehicle back into the lane and/or swerving out of the way. The function consists of the sub-functions Run-Off Mitigation with steering assistance, Steering assistance during collision risks from oncoming traffic and Steering assistance during collision risks from behind*.

Pilot Assist

Pilot Assist¹² is a convenience function that can assist the driver in keeping the vehicle in its own lane and at a set distance to the vehicle ahead. For steering assistance to be possible, certain conditions must be met, e.g. both of the driver's hands must be on the steering wheel and the lane markings must be visible. When steering assistance is active, a GREEN steering wheel symbol will be displayed in the instrument panel.

¹¹ Not available on all markets.

¹² Depending on market, this function can be either standard or optional.



04

PARKING ASSISTANCE SYSTEMS

Park Assist Pilot*

Park Assist Pilot can help the driver steer the vehicle while parking. The driver's task is to check the area around the vehicle, follow the instructions provided in the center display, select the appropriate gear, control the vehicle's speed and be prepared to apply the brakes to stop the vehicle.

Parking with Park Assist Pilot



Do not drive faster than 30 km/h (20 mph) when parallel parking or 20 km/h (12 mph) when perpendicular parking. The distance between the vehicle and the parking space should be about 1 meter (3 feet) when the function is looking for parking.

1. Tap **Park In** in Function view or Camera view.
2. Be prepared to stop the vehicle when notified by a graphic and a message in the center display that a suitable parking space has been found. A pop-up window will appear.
3. Select **Parallel parking** or **Perpendicular parking** and engage reverse gear.
4. Follow the instructions in the center display.

Pulling out of a parallel parking space with Park Assist Pilot

This function can only be used when the vehicle has been parallel parked.



1. Tap **Park Out** in Function view or camera view.
2. Use the turn signals to indicate the direction in which the vehicle will pull out of the parking space.
3. Follow the instructions in the center display.

Park Assist Camera*

The Park Assist Camera can help the driver steer the vehicle in tight spaces by alerting the driver to obstacles using the camera screen

and graphics in the center display. Camera views and guiding lines can be selected in the center display. Note that objects/obstacles may be closer to the vehicle than they appear on the display. The Park Assist Camera is automatically activated when reverse gear is engaged. It can also be started manually from the center display.



- Tap the **Camera** button in Function view to manually activate/deactivate the function.

04



PURER DRIVING PLEASURE

Planning your trip and driving economically helps reduce fuel consumption, carbon emissions and other air pollutants. This can reduce your impact on the environment and reduce your fuel costs. Some factors you can influence and others you cannot. Here are some tips.

Plan your trips by always

- Plan your trip - a lot of unnecessary stops and uneven speeds increase fuel consumption.

Drive economically by

- Activating **Eco** drive mode, which adapts the vehicle to more energy-efficient driving.
- Avoiding idling – switch off the engine when the vehicle is stopped for long periods of time.
- Maintaining a consistent speed and planning ahead to help minimize braking.
- Maintaining the recommended tire inflation pressure and checking it regularly.
- Keeping the windows closed while driving.

Factors you cannot influence

- The traffic situation.
- Road condition and topography.
- Ambient temperature and headwinds.

See your Owner's Manual for more tips on driving economically.



VOICE COMMANDS

The voice control system makes it possible to control certain functions in the media player, Bluetooth-connected phones, climate system and the Volvo navigation system* using predefined voice commands¹³. To activate voice control, press the voice control button in the right-side steering wheel keypad.

The following commands can usually be used in any situation:

- **Repeat:** Repeats the most recent voice command in the current dialog.
- **Help:** initiates a help dialog. The system responds with commands that can be used in the current situation, an instruction or an example.
- **Cancel:** Cancels the dialog¹⁴.

Cell phone voice commands

- Call [contact]
- Call [phone number]
- Recent calls
- Read message
- Message to [contact]

Radio and media voice commands

- Media
- Play [artist]
- Play [song title]
- Play [song title] from [album]
- Play [radio station]
- Tune to [frequency]
- Tune to [frequency] [waveband]
- Radio
- Radio FM
- SiriusXM*
- USB
- iPod
- Bluetooth
- Similar music

Climate system voice commands

- Climate
- Set temperature to X degrees
- Raise temperature/Lower temperature
- Sync temperature
- Air on feet/Air on body
- Air on feet off/Air on body off

- Set fan to max/Turn off fan
- Raise fan speed/Lower fan speed
- Turn on auto
- Air condition on/Air condition off
- Recirculation on/Recirculation off
- Turn on defroster /Turn off defroster
- Turn on max defroster/Turn off max defroster
- Turn on rear defroster/Turn off rear defroster
- Turn steering wheel heat on/Turn steering wheel heat off*
- Raise steering wheel heat/Lower steering wheel heat*
- Turn on seat heat/Turn off seat heat*
- Raise seat heat/Lower seat heat*
- Turn on seat ventilation/Turn off seat ventilation*
- Raise seat ventilation/Lower seat ventilation*

Navigation system voice commands*

- Navigation
- Take me home
- Go to [city]
- Go to [address]
- Add intersection
- Go to [zip code]
- Go to [contact]
- Search [POI category]
- Search [POI category] [city]
- Search [POI name]
- Change country/Change state^{15, 16}
- Show favorites
- Clear itinerary

- Repeat voice guidance
- Turn off voice guidance
- Turn on voice guidance

¹³ Certain markets only.

¹⁴ Note that this only cancels the dialog when the system is not speaking. To do this, press and hold until you hear two beeps.

¹⁵ For European countries, "country" is used instead of "state".

¹⁶ For Brazil and India, the search area is changed using the center display.

SUPPLEMENTARY INFORMATION

The Owner's Manual and other manuals contain safety instructions and all warning, caution and note texts, which must be read. Some functions only apply to certain markets.



WARNING

GETTING STARTED

Volvo On Call – The system's services only work in areas in which Volvo On Call's partners have cellular coverage and in markets where Volvo On Call is available.

Just as with cellular phones, atmospheric disturbances or areas with fewer transmitters, e.g. sparsely populated rural areas, can make connection impossible.

For warning, caution and note texts for Volvo On Call services, see the Owner's Manual and the applicable agreement for the Volvo On Call subscription.

Sensu Navigation* – Direct all your attention to the road and make sure that your concentration is focused on driving. Follow applicable traffic laws and use good judgment while driving. Road conditions can be affected by weather or season, which may make certain recommendations less reliable.

EXTERIOR OVERVIEW

Tailgate – Bear in mind the risk of pinching when opening/closing the tailgate. Make sure that no one is in the path of the tailgate who could be injured by its movement. Always operate the tailgate with caution.

Keyless locking/unlocking* – Check that children or other passengers are not at risk of crushing when all the windows are closed with keyless closing*.

INTERIOR OVERVIEW

Passenger airbag – Volvo recommends that all occupants (adults and children) shorter than

140 cm (4 foot 7 inches) be seated in the rear seat of any vehicle with a front passenger side airbag and be properly restrained for their height and weight.

Occupant Weight Sensor (OWS)

- No objects that add to the total weight on the seat should be placed on the front passenger's seat. If a child is seated in the front passenger's seat with any additional weight, this extra weight could cause the OWS system to enable the airbag, which might cause it to deploy in the event of a collision, thereby injuring the child.
- The seat belt should never be wrapped around an object on the front passenger's seat. This could interfere with the OWS system's function.
- The front passenger's seat belt should never be used in a way that exerts more pressure on the passenger than normal. This could increase the pressure exerted on the weight sensor by a child, and could result in the airbag being enabled, which might cause it to deploy in the event of a collision, thereby injuring the child.

Always take the **remote key** with you when you leave the vehicle. Make sure the ignition is in mode **O**, especially if there are children in the vehicle.

Always apply the **parking brake** when parking on an incline. Selecting a gear or putting the automatic transmission in **P** may not be sufficient to keep the vehicle stationary in all situations.

POWER FRONT SEATS

Do not adjust the seat while driving. The seat must be positioned in a way that allows the driver to fully depress the brake pedal. Adjust the seat as far rearward as comfort and control allow. After adjusting the seat, make sure that it is securely locked into position before starting to drive.

FOLDING THE BACKRESTS IN THE REAR SEAT

Make sure the backrest is correctly engaged before folding up and down and that the head restraint is correctly engaged after folding up.

CONNECTIONS

- Do not use accessories with large or heavy plugs – they could damage the outlet or come loose while you are driving.
- Do not use accessories that could cause disruptions to e.g. the vehicle's radio receiver or electrical system.
- Position the accessory so that there is no risk of it injuring the driver or passengers in the event of heavy braking or a collision.
- Pay attention to connected accessories as they can generate heat that could burn passengers or the interior.

DRIVER SUPPORT

The vehicle's driver support systems are designed to offer supplementary assistance to the driver, but cannot handle all situations in all traffic, weather and road conditions. They are never a substitute for the driver's attention and judgment. The driver is always responsible for ensuring the vehicle is driven in a safe manner, at the appropriate speed, with an appropriate distance to other vehicles, and in accordance with current traffic rules and regulations. The driver always has ultimate responsibility for braking and steering the vehicle.

Before driving your vehicle, read all sections of the Owner's Manual concerning driver support systems in the vehicle.

PARKING ASSISTANCE SYSTEMS

Park Assist Pilot is a supplementary driver support but cannot handle all situations. The function is only intended to assist the driver when parallel and perpendicular parking. The driver bears full responsibility for parking the vehicle safely and braking when necessary. Objects located far into the parking space may not be detected when scanning. The driver is always responsible for assessing whether the space

suggested by Park Assist Pilot is suitable for parking.

Park Assist Camera is supplementary driver support intended to assist when parking the vehicle. The function is never a substitute for the driver's attention and judgment. The cameras have dead/blind spots where objects cannot be detected. Pay particular attention to people and animals near the vehicle. Bear in mind that the front end of the vehicle may swing out towards oncoming traffic during the parking maneuver. Before driving your vehicle, read all sections of the Owner's Manual concerning driver support systems in the vehicle.

VOICE COMMANDS

The driver is always responsible for ensuring that the vehicle is operated in a safe manner and that all applicable traffic regulations are followed.



CAUTION

INTERIOR OVERVIEW

Do not use the OFF ROAD drive mode when towing a trailer without an electrical connection. This could result in damage to the pneumatic suspension system's bellows.

The information is projected from a **head-up display unit*** located in the dashboard. To help prevent damage to the display unit's glass cover, do not place any objects on the glass and prevent objects from falling onto it.

Wireless phone charger Keep cellular phones and charger stations away from other objects while charging to help avoid overheating. Do not place cards with NFC (Near Field Communication), e.g. debit cards for contactless payment, next to the phone. This type of card could be destroyed during charging.

CENTER DISPLAY

When cleaning the center display, use a microfiber cloth that is free from sand and similar debris. When cleaning the center display, apply only light pressure to the display. Pressing too hard could damage the display.

Do not spray liquid or corrosive chemicals directly onto the center display. Do not use window cleaners, cleaning agents, aerosol sprays, solvents, alcohol, ammonia or detergents that contain abrasives. Never use abrasive cloths, paper towels or tissue paper, as these may scratch the display.

FOLDING THE BACKRESTS IN THE REAR SEAT

When the backrest is folded down, make sure there are no objects in the rear seat, and the seat belts are not buckled.

The integrated booster cushion*/armrest* on the center seating position must be in the stowed position.

RIGHT-SIDE STEERING WHEEL LEVER

Wiper blades in service position - Before placing the wipers in service position, ensure that they have not frozen to the windshield. If the wiper arms in service position are raised from the windshield, they must be folded back against the windshield before activating wiping, washing or rain sensor as well as before departure. This is to prevent scratching the paint on the hood.

CONNECTIONS

Electrical outlet – Each 12-volt socket can supply a maximum of 120 W (10 A).



NOTE

EXTERIOR OVERVIEW

Foot-operated tailgate - There is a risk of reduced or lost function if there are large amounts of snow, ice, dirt, etc. on the rear bumper. Make sure to keep the bumper clean.

Please note that the system could be inadvertently activated in a car wash or similar if the remote key is within range.

Setting maximum opening height – If the system has been working continuously for a prolonged period of time, it will be switched off to avoid overload. It can be used again after approximately 2 minutes

Electromagnetic fields and obstructing objects may interfere with **remote key functions**. Avoid storing the remote key near metal objects or electronic devices, e.g. cell phones, tablets, laptops or chargers – preferably no closer than 10-15 cm (4-6 in.).

INTERIOR OVERVIEW

OFF ROAD drive mode is not designed to be used for normal street driving.

With a cold start, idling speed may be considerably higher than normal for certain engine types. This is done to get the emissions system up to normal operating temperature as quickly as possible, which minimizes exhaust emissions and protects the environment.

Head-up display* – When a City Safety function is activated, the information in the head-up display will be replaced by a City Safety graphic. This graphic will illuminate even if the head-up display is turned off.

The driver's ability to see information in the head-up display may be impeded by the use of e.g. polarizing sunglasses, a driving posture in which the driver is not centered in the seat, objects on the display unit's glass cover and/or unfavorable lighting conditions. People with certain types of vision problems may experience headaches or eye strain when using the head-up display.

STEERING WHEEL

Trip computer - Calculation of driving range may vary if your driving style changes.

PASSENGER COMPARTMENT CLIMATE

Heating/cooling cannot be accelerated by choosing a higher/lower temperature than the desired temperature.

Preconditioning - The vehicle's doors and windows should be closed during preconditioning of the passenger compartment.

CONNECTIONS

Vehicle modem – Please note that the SIM card used for Internet connection via P-SIM must have a different phone number than the SIM card used by the cellular phone. If the cards

have the same number, calls will not be connected correctly to the phone. Use a SIM card with a separate phone number for the Internet connection or a data card that does not handle phone calls and therefore cannot interfere with phone function.

Internet - Data (data traffic) is transferred when using the Internet, which can incur additional costs. Activating data roaming and Wi-Fi hot-spots can incur additional charges. Contact your network operator about data traffic costs. When downloading using a phone, pay extra attention to the data traffic costs.

Data downloading can affect other services that transfer data, e.g. web radio. If the affect on other services is experienced as problematic, the download can be interrupted. Alternatively, it may be appropriate to switch off or cancel other services. When downloading using a phone, pay extra attention to the data traffic costs.

Updating – If the phone's operating system is being updated, it is possible that the Bluetooth connection will be interrupted. Delete the phone from the vehicle and reconnect.

USING CONNECTED DEVICES

Apple CarPlay and Android Auto – Volvo is not responsible for the content of the CarPlay or Android Auto apps.

 **WARNING**

California Proposition 65

Operating, servicing and maintaining a passenger vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

V O L V O